



7X7

DOUBLE DIODE—HIGH-MU TRIODE

GENERAL DATA

Electrical:

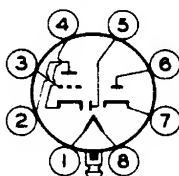
Heater, for Unipotential Cathodes:

Voltage.	6.3 [□]	ac or dc volts
Current.	0.3 ^{□□}	amp

Mechanical:

Mounting Position.	Any
Maximum Overall Length.	2-25/32"
Maximum Seated Length.	2-1/4"
Maximum Diameter.	1-3/16"
Bulb.	T-9
Base.	Lock-in 8-Pin
Basing Designation for BOTTOM VIEW.	8BZ

Pin 1—Heater
 Pin 2—Triode Plate
 Pin 3—Triode Grid
 Pin 4—Cathode
 (Triode &
 Diode No.1)
 Internal
 Shield



Pin 5—Diode Plate
 No.1
 Pin 6—Diode Plate
 No.2
 Pin 7—Cathode
 (Diode No.2)
 Pin 8—Heater
 Plug—Base Shell

TRIODE UNIT AMPLIFIER—Class A₁

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE.	300 max.	volts
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode	90 max.	volts
Heater positive with respect to cathode	90 max.	volts

Typical Operation and Characteristics:

Plate Voltage.	100	250	volts
Grid Voltage.	0	-1	volt
Amplification Factor.	85	100	
Plate Resistance.	85000	67000	ohms
Transconductance.	1000	1500	μmhos
Plate Current.	1.2	1.9	ma

DIODE UNITS—Two

The 7X7 differs from the usual twin-diode-triode in that diode No.2 has its own cathode, separate from that used for the triode and diode No.1.

□ Nominal voltage = 7.0 volts.

□□ Nominal current = 0.32 ampere.